

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 11158  
Application ID: 09681398  
Title of Invention: METHOD AND APPARATUS FOR  
ANALYZING A DESIGN  
First Named Inventor: Steve Wang  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2001-03-29  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 200-1381  
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: Zh2BXR8jH7Rp+TQV8c1PnQ==  
Total Fees Authorized: \$750.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 61510  
Deposit Account Name: Sheri L. Charles



# TRANSMITTAL FORM



Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number: 200-1381

## METHOD AND APPARATUS FOR ANALYZING A DESIGN

First Named Inventor: Steve C. Wang

### SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic  
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20010329

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### Attached Files:

bibd-transmittal	200-1381apds.xml
fee-transmittal	200-1381fee.xml
patent-assignment	200-1381asgn.xml
specification	spec.xml
declaration	decl 1 of 2.tif

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**Attached Image File(s):**

decl 1 of 2.tif

decl 2 of 2.tif

consent.tif

prior art.tif

DECLARATION OF CONSENT TO PUBLISH

Comments:

[illegible]

## DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

Attorney's Docket No.  
200-1381

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled

**METHOD AND APPARATUS FOR ANALYZING A DESIGN**

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America, prior to this application by me or my legal representatives or assigns,

☒ no such applications have been filed, or☐ such applications have been filed as follows

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119

☐ I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (month, day, year)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
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(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
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**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith and to act on my behalf before the competent International Authorities in connection with any and all international applications filed by me.  
(List name and registration number)

John G. Chupa - 33,483

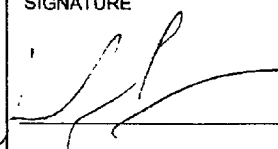
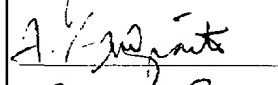
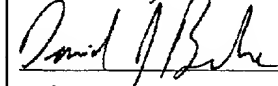
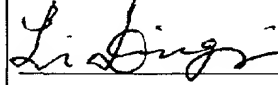
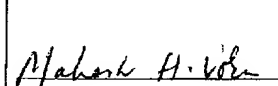
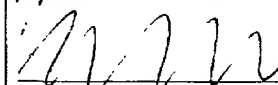
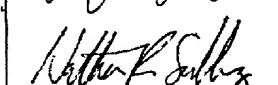
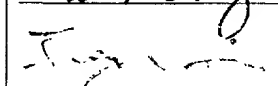
David B. Kelley - 33,718

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
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Xiaoping Liu 41087 Greystone Blvd. Plymouth, MI 48170 US	Plymouth, MI 48170 US	China		3/8/2001

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Case Docket No. **200-1381**  
Date: March 23, 2001

Sir:

Inventor(s):  
**Xiaoping Liu**  
**Steve Wang**  
**Siyuan Jiang**  
**Nathan Soderborg**  
**Mahesh Vora**  
**Dingjun Li**  
**David Buche**  
**Agus Sudjianto**

For: **METHOD AND APPARATUS FOR ANALYZING A DESIGN**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



Damian Porcari  
Attorney or Agent of Record  
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1449B/PTO Rev 10/95		U.S. Department of Commerce Patent and Trademark Office		<i>Complete If Known</i>	
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	
				Filing Date	
				First Named Inventor Jiang et al.	
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number 200-1381	

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, country where published, source.	T <sup>2</sup>
	1	WILLIAM J. WELCH, ROBERT J. BUCK, JEROME SACKS, HENRY P. WYNN, TOBY J. MITCHELL AND MAX D. MORRIS, Screening, Predicting, and Computer Experiments, Technometrics, February, 1992, pages 15-25, Vol. 34, No. 1, U.S.	
	2	JEROME H. FRIEDMAN, Invited Paper, Multivariate Adaptive Regression Splines, Stanford University, 1991, Vol. 19, No. 1, 1-141, The Annals of Statistics, U.S.	

Examiner Signature		Date Considered	
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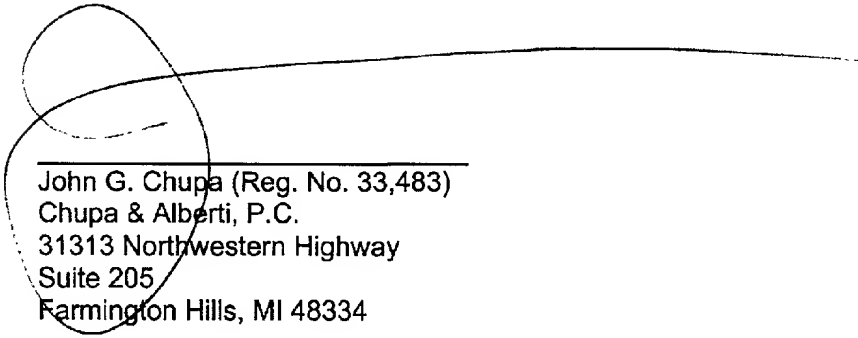
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Information Disclosure Statement – Section 2. FORM 1449A/PTO [6-1] – page \_\_\_ of \_\_\_)

  
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# FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

## TOTAL FEES AUTHORIZED: \$ 750

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: Ford Global Technologies, Inc.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

### SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20010329

### BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 710

Subtotal For Basic Filing Fee: \$ 710

### EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 19	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 80	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Fee Code	Fee Paid
Recording Each Patent Assignment Per Property Fee	581	\$ 40

Subtotal For Additional Fees: \$ 40